

Fig. 1

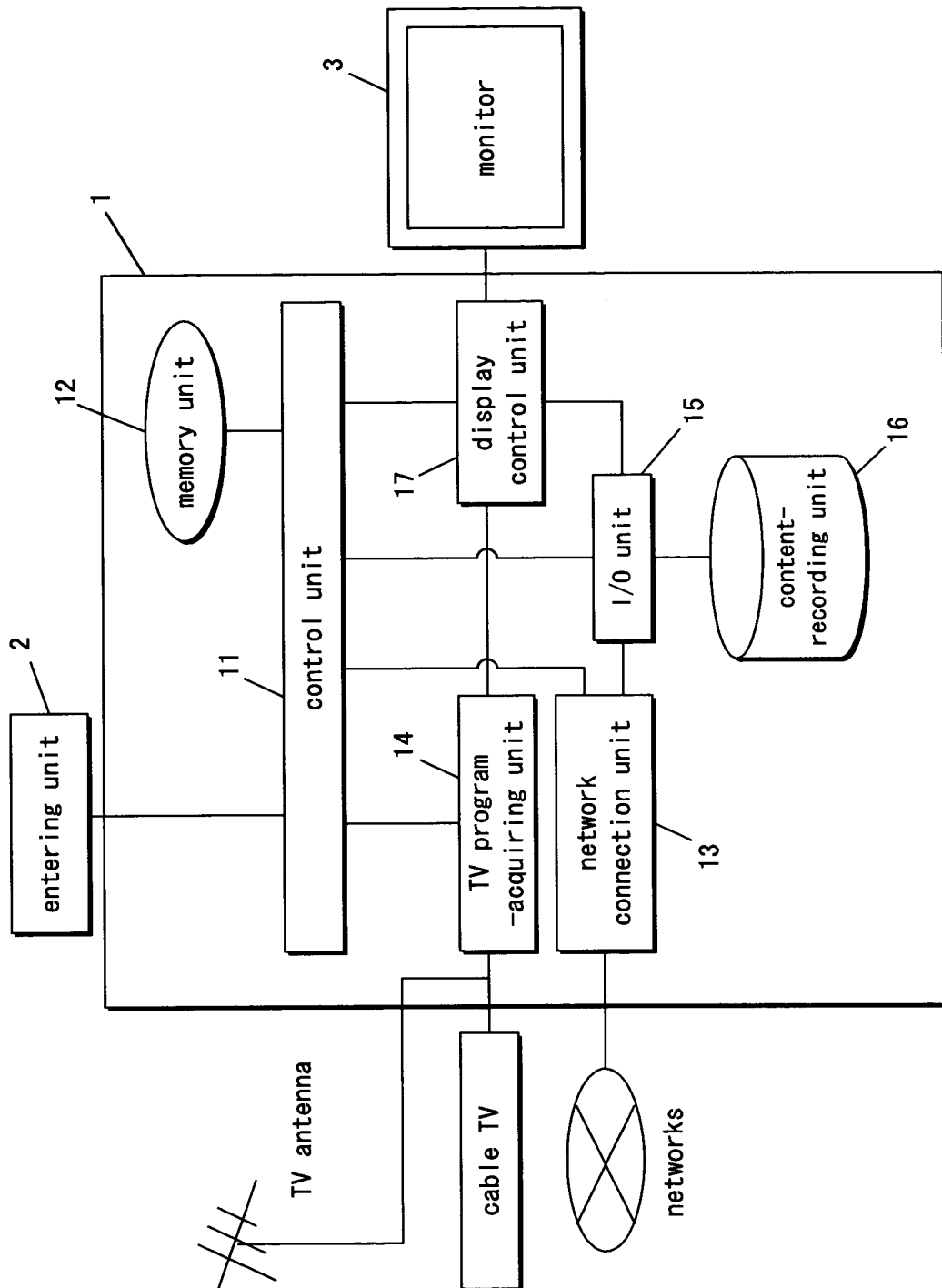


Fig. 2 (b)

transmission source information				property information			related information		system information	
ID	E-mail	name	transmission date	reproduction time length	title	message	still image data	reproducibility notice flag	TV channel number	
A	abc@cde.cxm	Taro	2001.7.7	one hour	grandchild	How are you?	sa	notified	7	
B	xyz@zzz.cxm	2001.8.24	two hours	ocean	Happy birthday...	sb	notified	36	
C	123@000.cxm		2002.10.10	one hour and 55 minutes	mountain		sc	unnotified	36	

pa ←
pb ←
pc ←

Fig. 2 (a)

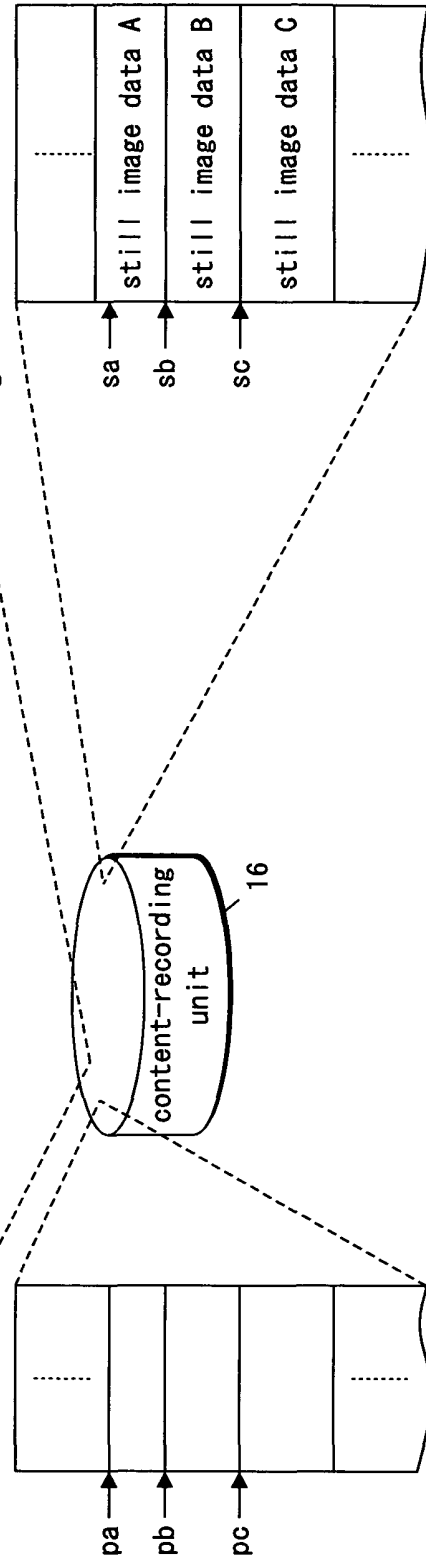
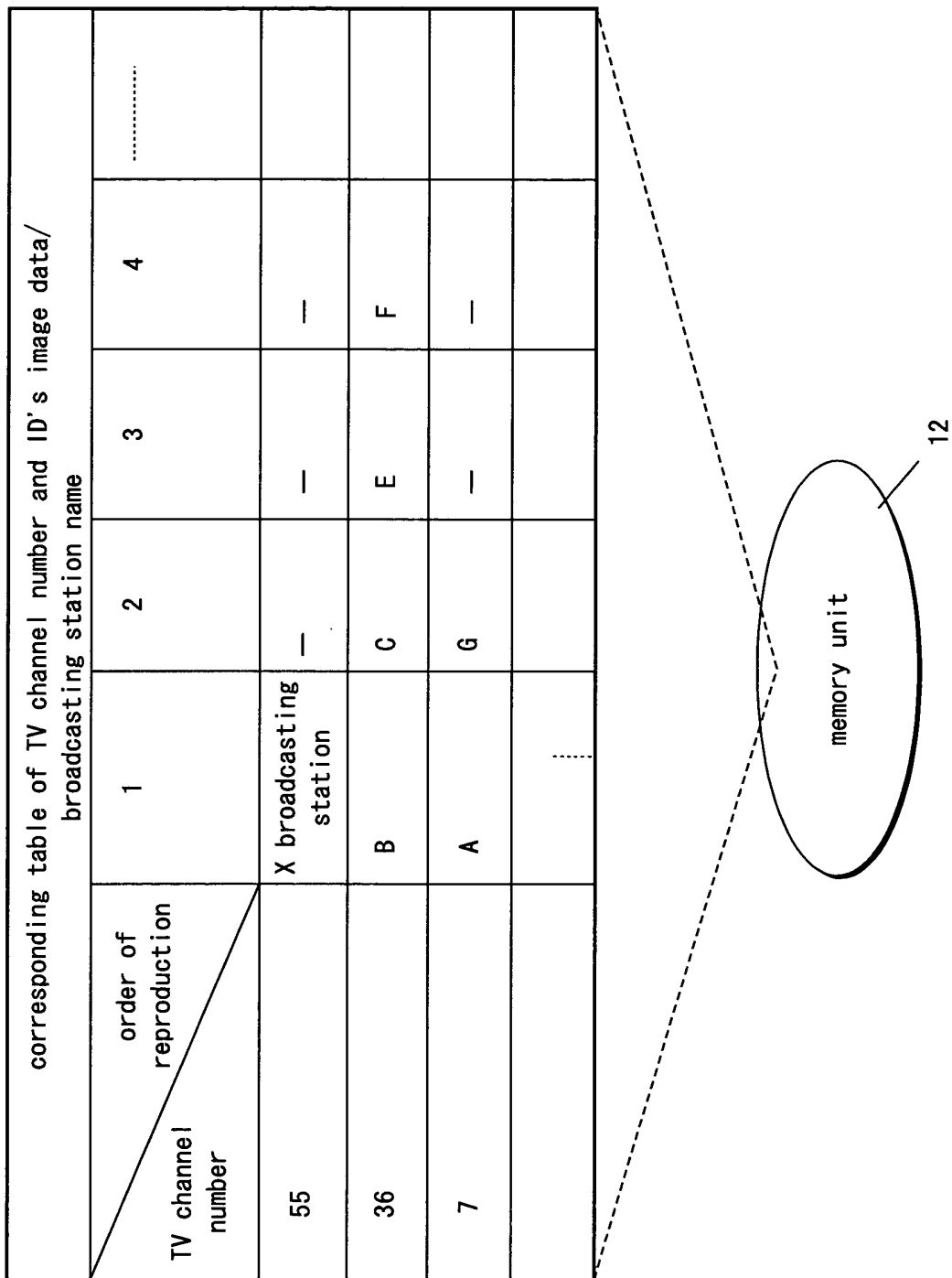


Fig. 2 (c)

Fig. 3



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graph TD
    Start([start]) --> S1[Internet connection processing S1]
    S1 --> S2[event surveillance processing S2  
• user input surveillance  
• mail surveillance  
• server surveillance]
    S2 --> S3{Is there new content data? S3}
    S3 -- Yes --> S4[content-recording processing S4]
    S4 --> S5[acquiring transmission source information/registering processing S5]
    S5 --> S6[reproducibility notice processing S6]
    S6 --> S8{Is there accumulated data? S8}
    S8 -- Yes --> S9[content-reproducing processing S9]
    S9 --> End([end])
    S8 -- No --> S3
    S3 -- No --> S7{instruction of completion? S7}
    S7 -- No --> S6
    S7 -- Yes --> End

```

Fig. 5

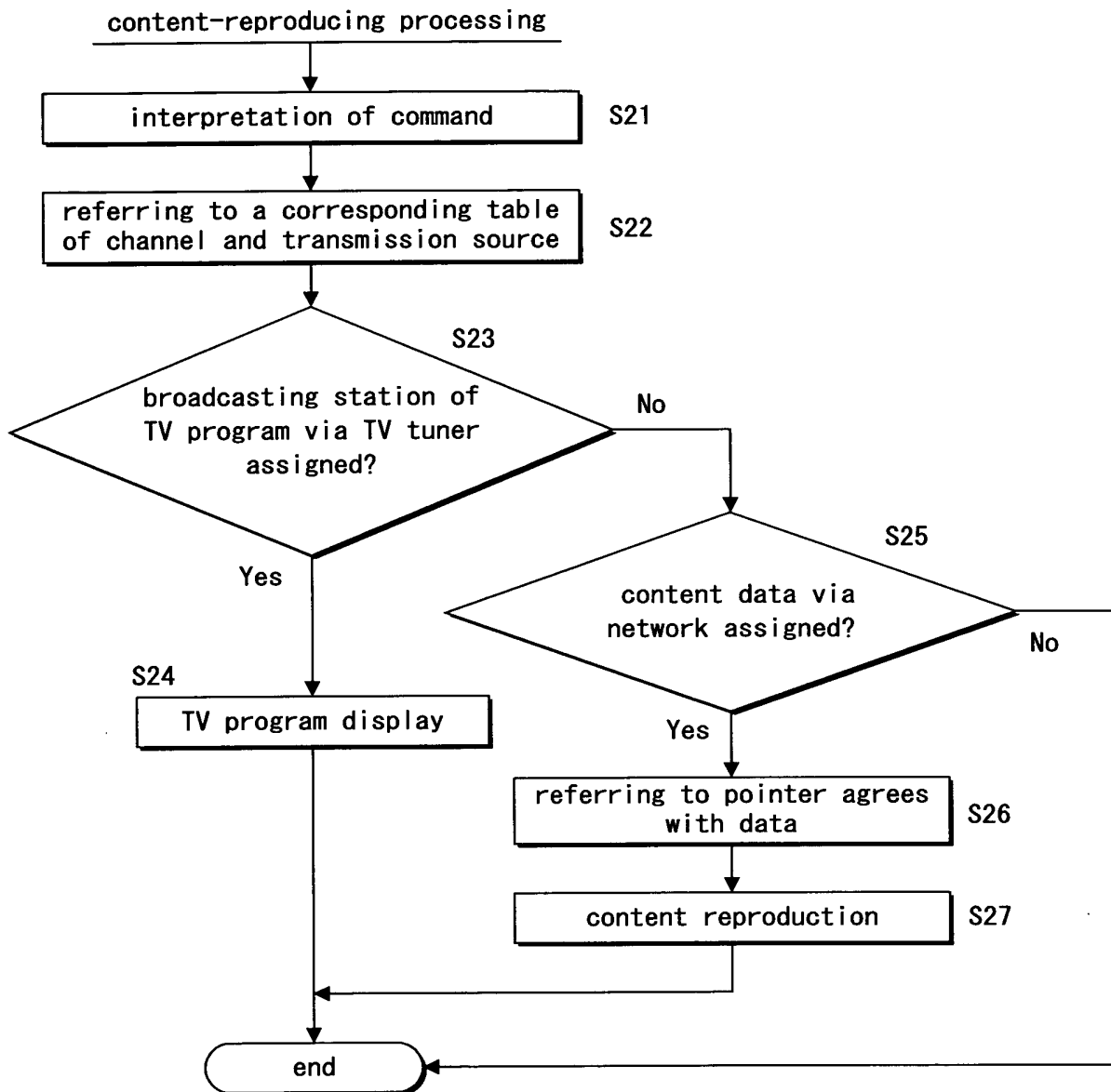


Fig. 6

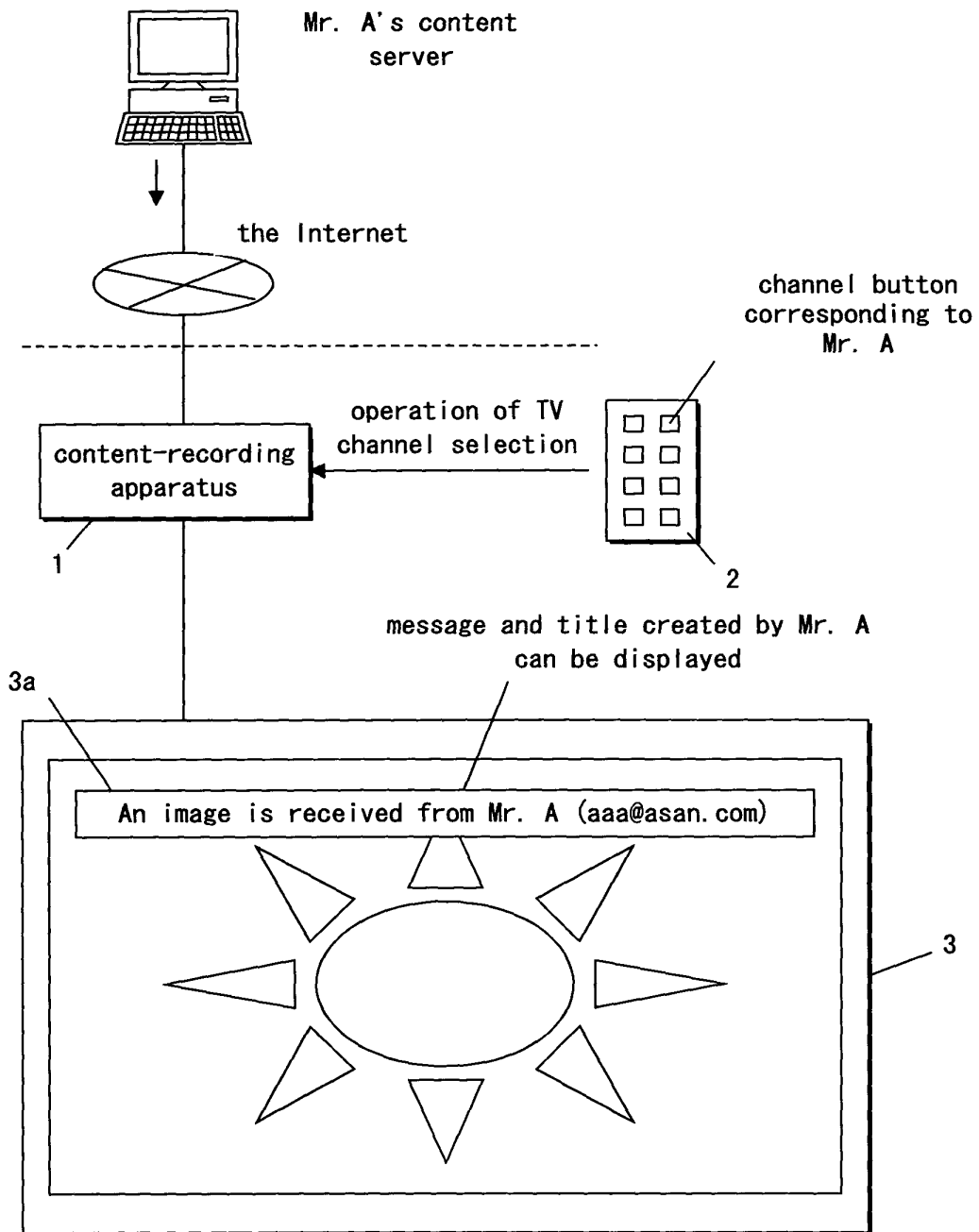


Fig. 7

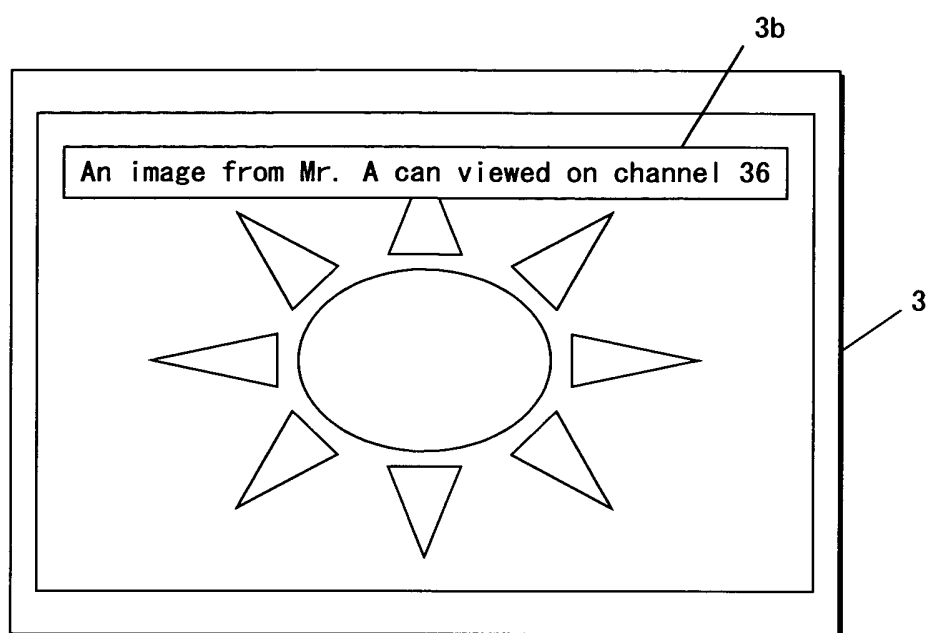


Fig. 8

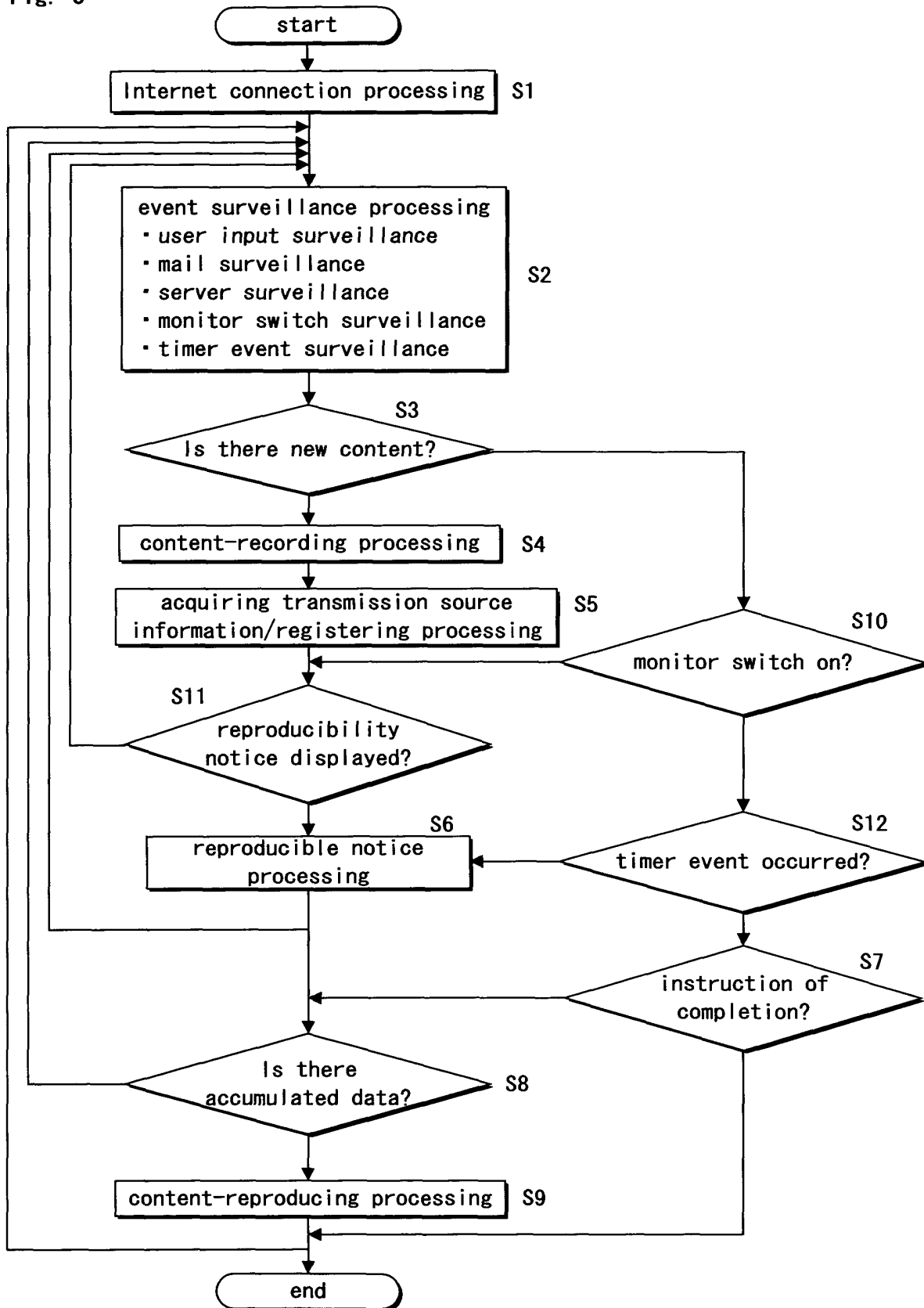


Fig. 9

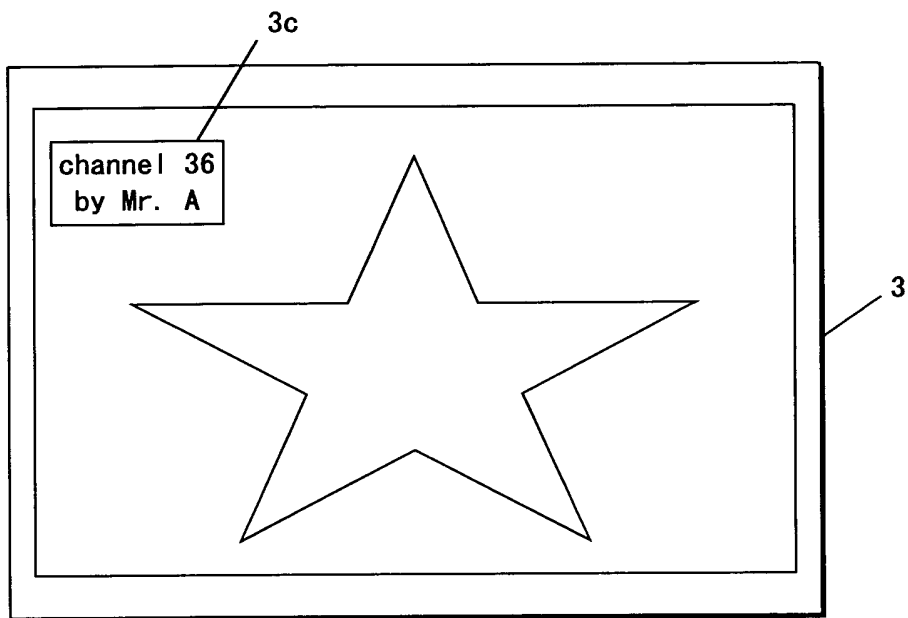


Fig. 10 (a)

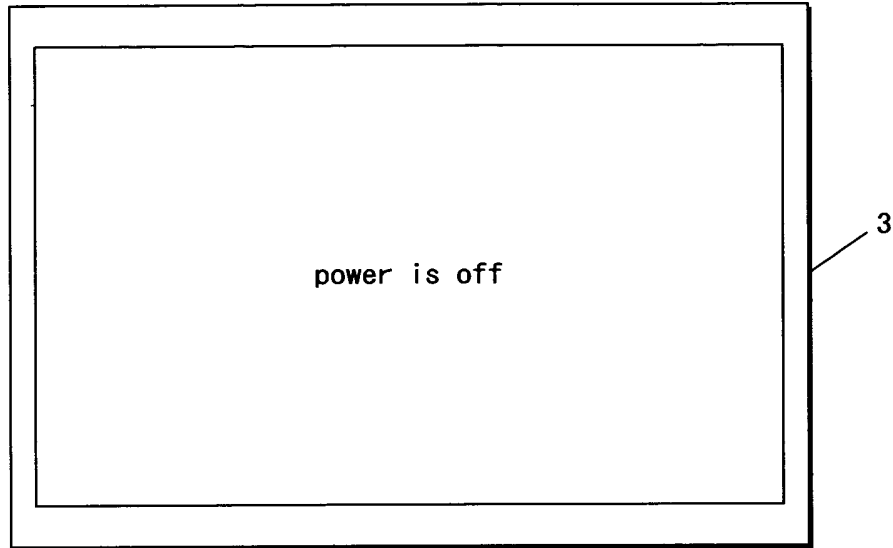


Fig. 10 (b)

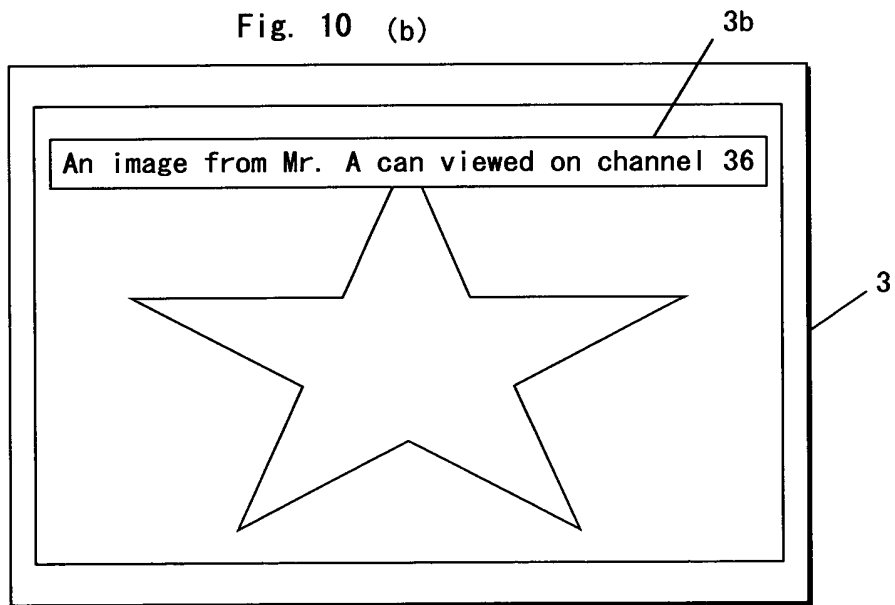


Fig. 11

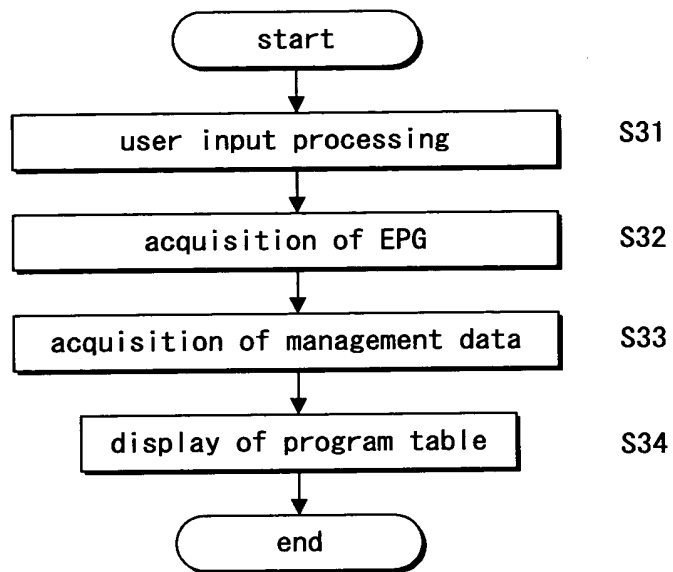


Fig. 12

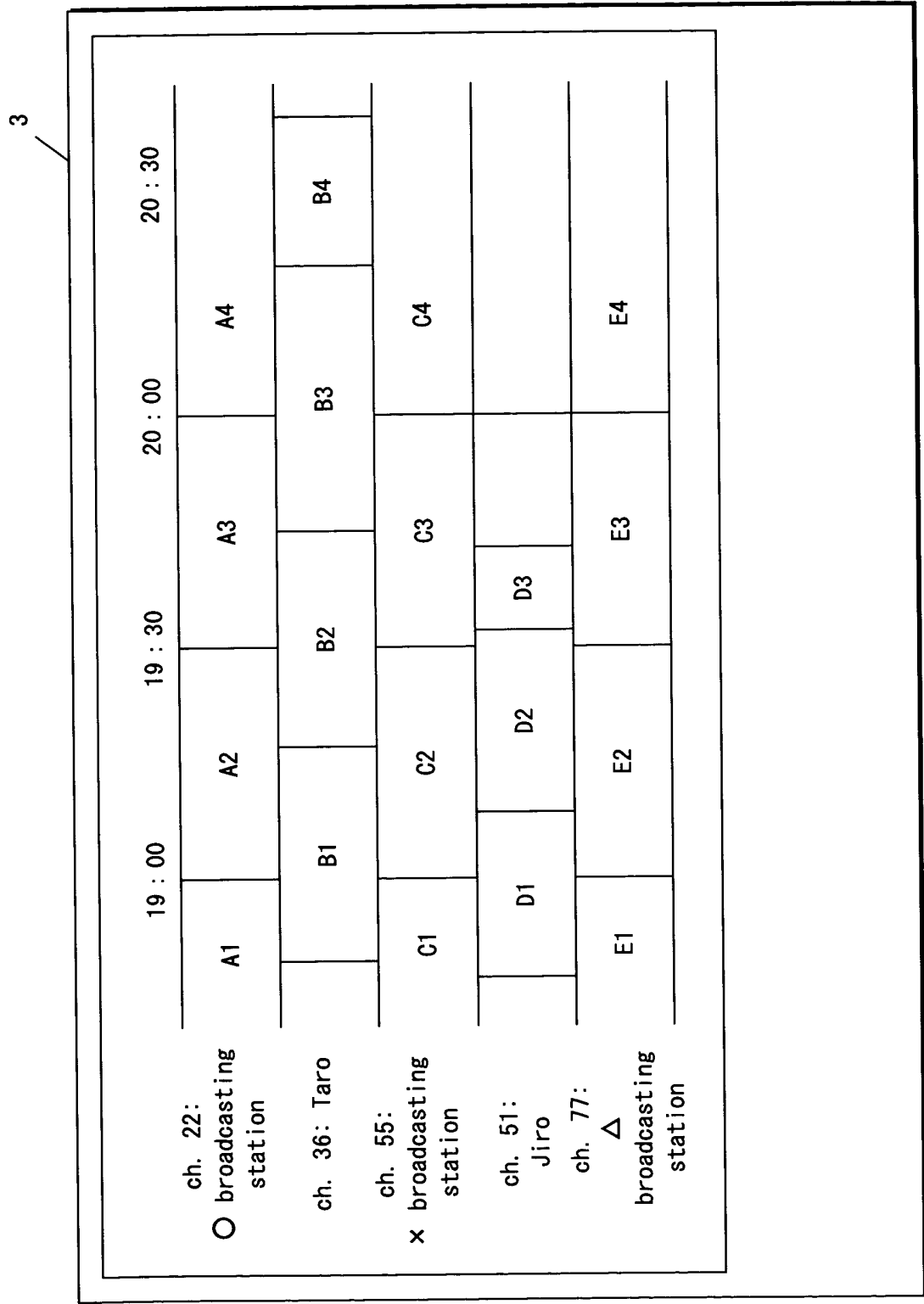


Fig. 13

corresponding table of TV channel number and transmission information/ TV broadcasting station name					
channel number	transmission source (E-mail address)	transmission source (IP address)	transmission source (domain name)	transmission source (name)	broadcasting station name
55	—	—	—	—	X broadcasting station
7	xyz@zzz. cxm	—	www. abc. jp	Hanako	
	opq@rxy. cxm	222. 111. 222. 11	—	Yoshiko	
36	aaa@bbb. cxm			Taro	

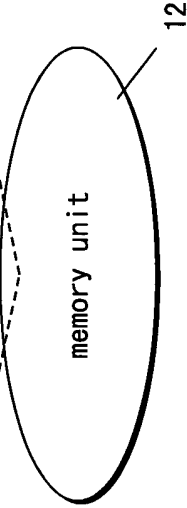


Fig. 14

3

	19 : 00		19 : 30		20 : 00		20 : 30	
ch. 22: ○ broadcasting station	A1	A2	A3	A4				
ch. 36: Taro	B1	B2	B3	B4				
ch. 55: x broadcasting station	C1	C2	C3	C4				
ch. 7: Hanako/Yoshiko	D1	D2	D3					
ch. 77: △ broadcasting station	E1	E2	E3	E4				

Fig. 15

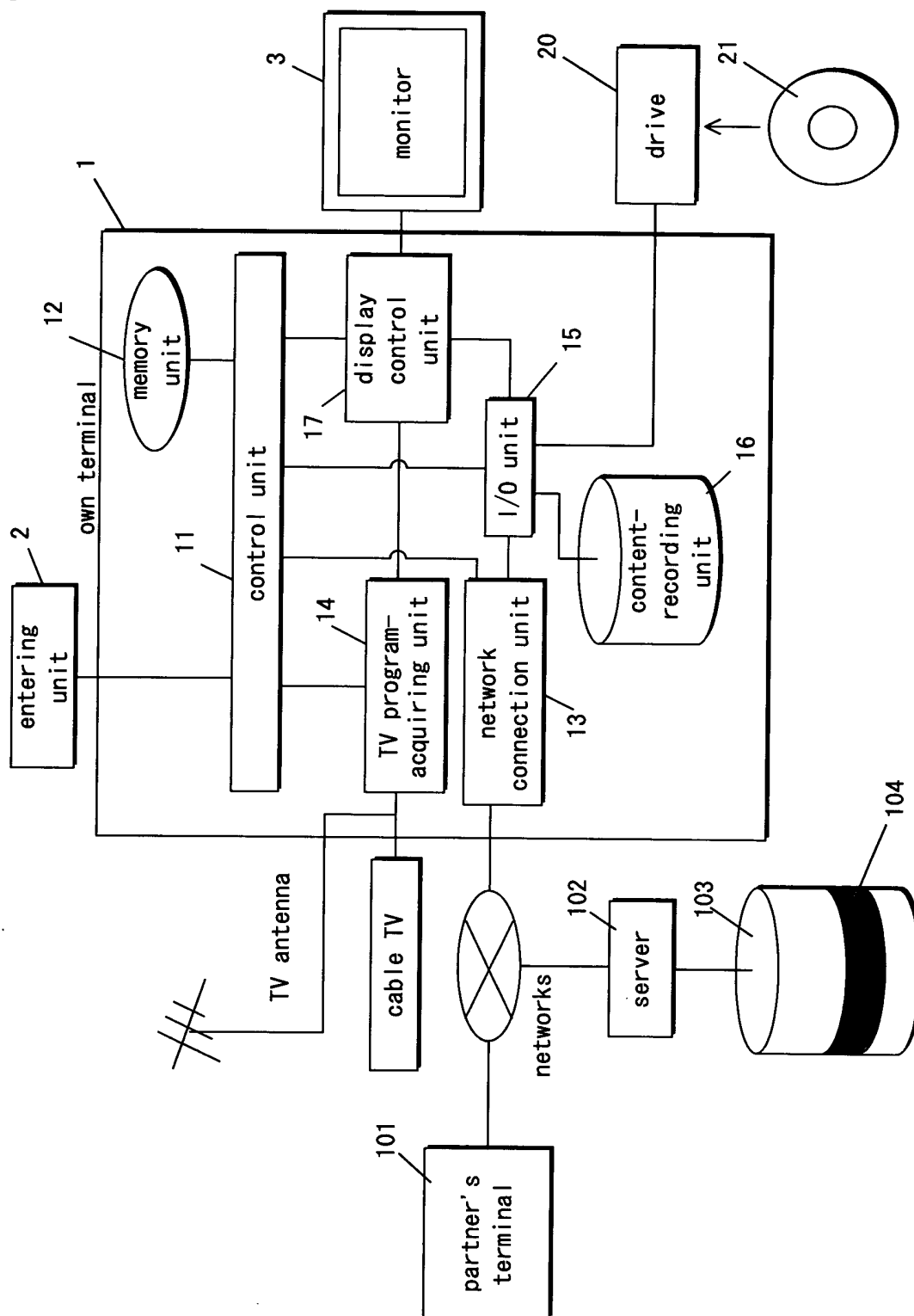
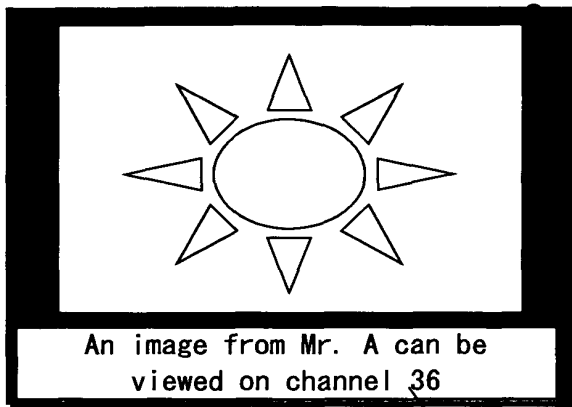
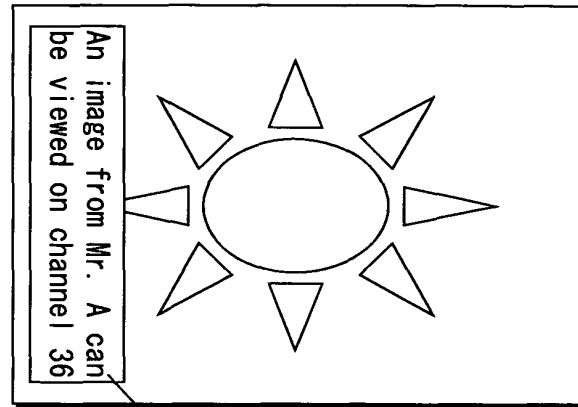


Fig. 16 (a)



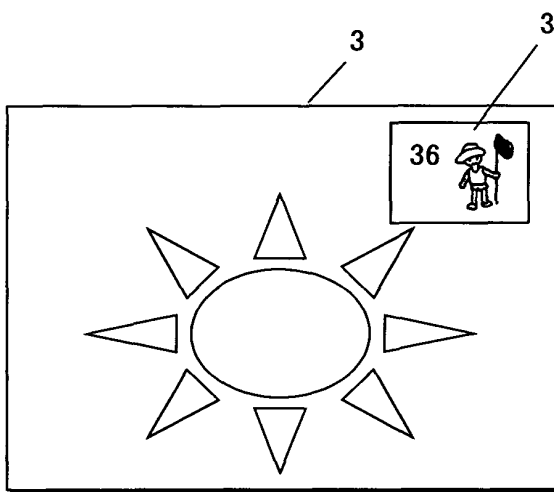
3d

Fig. 16 (b)



3e

Fig. 16 (c)



3f

Fig. 16 (d)

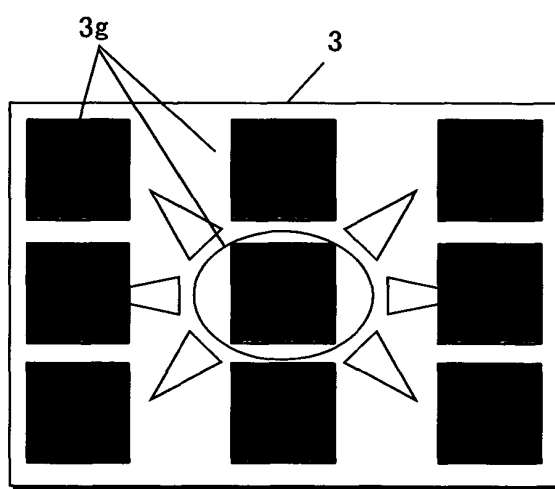


Fig. 17

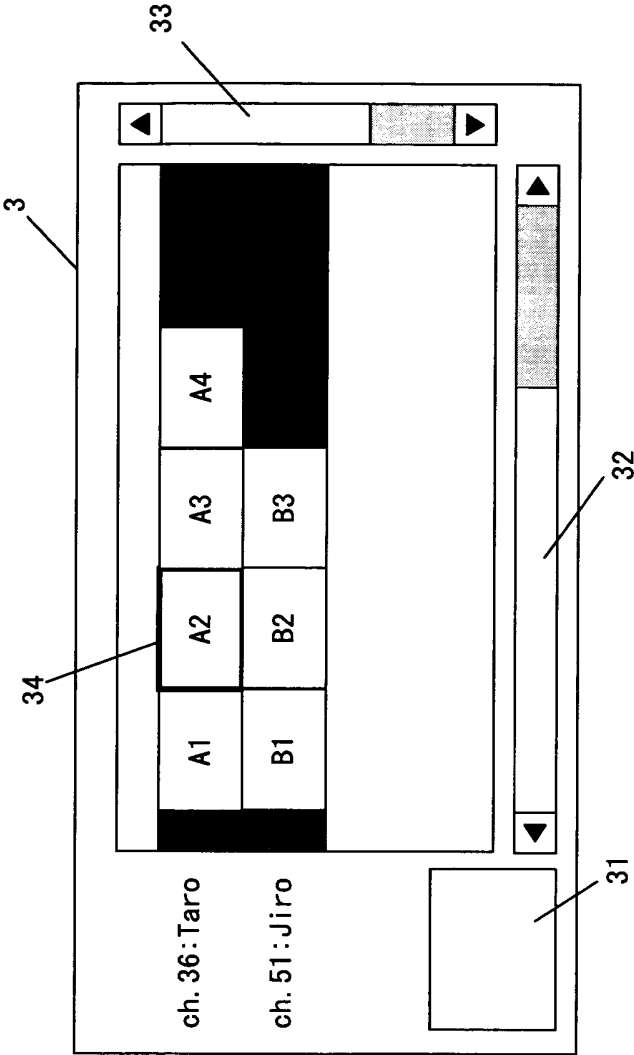


Fig. 18

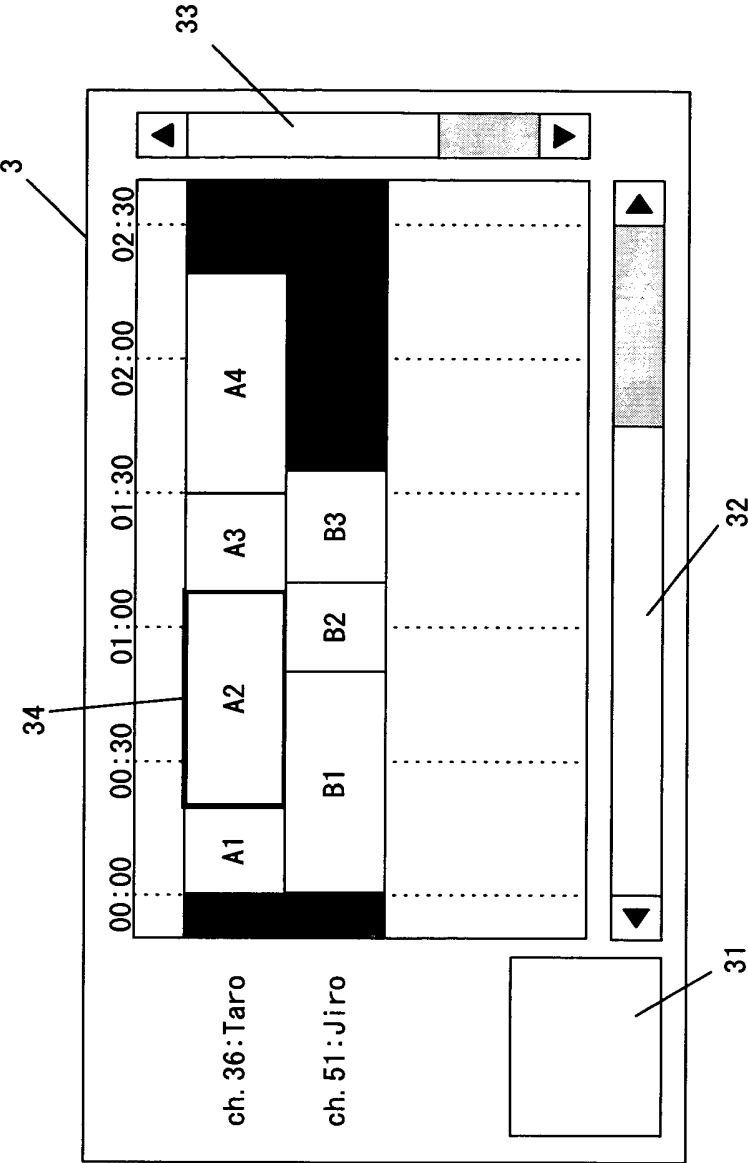


Fig. 19

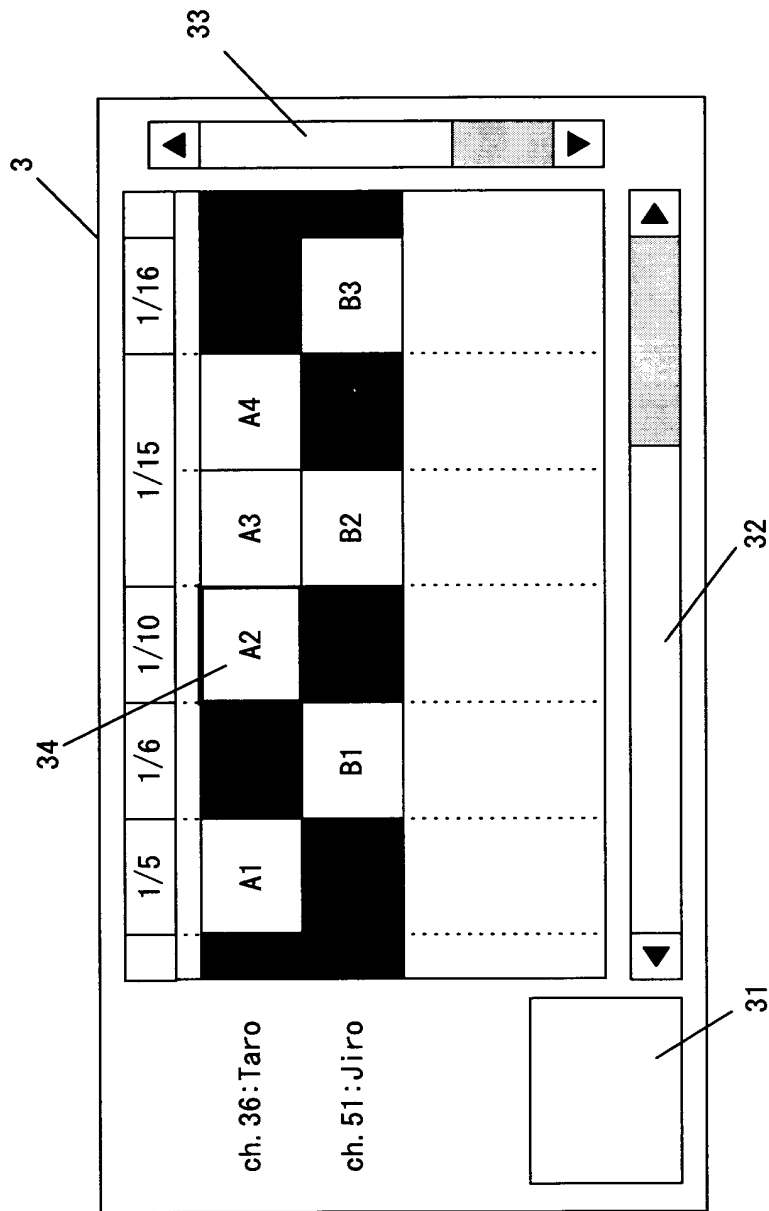


Fig. 20

